Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & final bill — Date.....20.....

Division: Yelahanka Projects.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.....

Name of Work: Package – 6, Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.

Job Code No: 005-18-000041 **Est. cost: 300.00 lakhs**

Name of Contractor and Full Address : Sri. Y.A. Dhanashekhar.

Work Order No: EE(Project)/ Ynk Zone/WO/204/2017-18, **Dated : 23-03-2018**

Certified that the measurements were taken by me on 3/12/18 and recorded in pages 161576 - 161589 of measurement Book No. 1616 | 31 and that the work is satisfactorily executed.

Y.A. Dhanashekhar

Contractor

Officer-In-charge of work

3/12/18

Certified that the measurements were taken by me on 3/12/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer 3/12

If Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....percent Rs.....		
3) Deduct amount to be held in Balance		
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	Total Rs.	3,25,84,127-00
Amount adjusted towards cash advance recovery of	IT -	325841-00
b) Payments for store or other materials supplied.	Cess -	325841-00
Now made recovery of amount creditable to this/other work	QBF -	32584-00
Amount paid on this bill Cheque/Cash	LR -	107528-00
5) Balance being unpaid value of work done held in reserve	CgST -	290930-00
Deduct cash advance made on the office Cash Book Voucher No.....	SgST -	290930-00
Rule.....less adjustments	Fine -	5950-00
7) Net amount due to or from contractor	Adju	13,79,604-00
Unadjusted items	Cheque	3,12,04,523-00
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied		

Y.A. Dhanashekhar

Contractor's Signature

Received Rs.....(in words)

By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

(For use in the Office)

Audited & Admitted for Rs.....

Rs.3,25,84,127-00

Dated..... Y.A. Dhanashekhar Signature of Contractor

3,12,04,523-00 by Cheque

and Rs.13,79,604-00 by Adjustment

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt. 08/12
Project Division
A.E.E.

Exe. Engineer 19/12/18
Project Division
Executive Engineer

14/12

Initials of Officer Making Payment

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : PACKAGE 6: Drilling of bore well and providing pump motor and laying pipeline in ward no 05 and surrounding area Byatarayanapura sub division

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Carrying out geophysical survey Geophysical investigation of site for sinking bore well for supplying drinking water to the habitation either through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Venner or schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground infecundity its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top in consolidated formation of proper scatting of casing pipe ,depth of drilling required to cover full depth of auquifer propopsed to be tapped Proboabale yield and other information required including transporetation technical personal and labour etc as per the directions of the Engineer-in-charge of the work	Each	39.00	2617.0	102063.00	-	-	39.00	2617.0	102063.00	39.00	102063.00
2	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,) as per the directions of the Engineer-in-charge of the work (a)0 to 50 m	Rmt	1950.00	352.0	686400.00	-	-	1950.00	352.0	686400.00	1950.00	686400.00
3	b) 50.00 to 100.00 M	Rmt	1916.46	460.0	881571.60	-	-	1916.00	460.0	881360.00	1916.00	881360.00
4	c) 100.00 to 150.00 M	Rmt	1900.00	512.0	972800.00	-	-	1900.00	512.0	972800.00	1900.00	972800.00
5	d) 150.00 to 200.00 M	Rmt	1900.00	541.0	1027900.00	-	-	1900.00	541.0	1027900.00	1900.00	1027900.00
6	e) 200.00 to 250.00 M	Rmt	1857.44	626.0	1162757.44	-	-	1857.00	626.0	1162482.00	1857.00	1162482.00
7	e) 250.00 to 300.00 M	Rmt	2125.00	671.0	1425875.00	-	-	2125.0	671.0	1425875.00	2125.00	1425875.00
	Above 125%	Rmt	1651.40	670.99	1108068.80	-	-	1651.0	670.99	1107800.41	1651.00	1107800.41

8	Supplying of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 medium black ERW casing pipe of 5mm thick black electic resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hat rolled steel skelp/ stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end fixed with a socket and the other and with a plastic protection end (including of all taxes) and as per the directions of the Engineer-in-charge of the work	Rmt	2120.04	1482.0	3141899.28	-	-	2114.00	1482.0	3132948.00	2114.00	3132948.00
9	Providing 175mm MS Collar as per direction of the Engineer in Charge of the work	Each	315.12	168.0	52940.16	-	-	315.00	168.0	52920.00	315.00	52920.00
10	Providing 175 mm dia Bore cap CE (M) as per the directions of the Engineer-in-charge of the work	Each	39.00	111.0	4329.00	-	-	39.00	111.0	4329.00	39.00	4329.00
11	Providing and fixing 250 mm dia PVC(Casing Pipe) as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	Rmt	425.00	2907.0	1235475.00	-	-	425.00	2907.0	1235475.00	425.00	1235475.00
	Above 125%	Rmt	160.00	2905.24	464838.40	-	-	160.00	2905.24	464838.40	160.00	464838.40
12	Providing and fixing in trenches galvanised I mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Mtr	7600.12	511.0	3883661.32	-	-	7600.00	511.0	3883600.00	7600.00	3883600.00
13	ATALANTA, SUGUNA, C.R.I, KIRLOSKAR and Other Equivalent Pumps17.5 hp/13kv(30 STAGE) as per the directions of the Engineer-in-charge of the work	No	22.00	83067.0	1827474.00	-	-	22.00	83067.0	1827474.00	22.00	1827474.00
14	supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of I|S8130-1984 and virging grade PVC isulation and sheathed suitable for working voltage upto 1100 volts as per 1x3x4 sqmm of 56 stands 0.3mm dia group A as per the directions of the Engineer-in-charge of the work	Mtr	15369.2	141.0	2167057.20	-	-	15369	141.0	2167029.00	15369.0	2167029.00
15	Providing and fixing in position 50 mm nominal bore non-return valve vertical typer of approved make including cost of all materials, labour and HOM of equipemnts with all leads complete as per spcifications and as per the directions of the Engineer-in-charge of the work	Nos	22.00	1700.0	37400.00	-	-	22.00	1700.0	37400.00	22.00	37400.00
16	supplying and fixing 50 mm GI Union as per the directions of the Engineer-in-charge of the work	Nos	22.00	250.0	5500.00	-	-	22.00	250.0	5500.00	22.00	5500.00

17	supplying and fixing 50 mm GI Elbow as per the directions of the Engineer in charge of the work	Nos	44.00	124.0	5456.00	-	-	44.00	124.0	5456.00	44.00	5456.00
18	supplying and fixing 50 mm GI Nipple as per the directions of the Engineer in charge of the work	Nos	44.00	116.0	5104.00	-	-	44.00	116.0	5104.00	44.00	5104.00
19	supplying and fixing 50 mm GI hose collar as per the directions of the Engineer-in-charge of the work	Nos	44.00	115.0	5060.00	-	-	44.00	115.0	5060.00	44.00	5060.00
20	Fabricating supplying and mounting MS box made out 14SWG uitable for floor wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrengements, with suitalbe size clamps with necessary calbe eintry pipe with gland and bo should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete as per the directions of the Engineer-in-charge of the work	Sq.Cm	440000	0.41	180400.00	-	-	440000	0.41	180400.00	440000	180400.00
21	Supplying and fixing angle iron frame work fabricated out of MS angle iron., and M.S flat., with bolts, washers etc., and painted with 2 coats of red oxide and then tow coats of approved paint-50x50x6mm as per the directions of the Engineer-in-charge of the work	Nos	22.00	378.0	8316.00	-	-	22.00	378.0	8316.00	22.00	8316.00
22	supplying of TPST with rewireable porcelain channels in SM encloser. Made out of 14 SWG powder coated paint of approved colour. 32 amtps as per the directions of the Engineer-in-charge of the work	Nos	22.00	2088.0	45936.00	-	-	22.00	2088.0	45936.00	22.00	45936.00
23	Supplying and fixing 20"x20"X2.5" polished wood board made up not less than 15 mmm thick plank with front plak one end provided for olding at other end fixing the same of the value using through bolts and nuts as per the directions of the Engineer-in-charge of the work	Nos	22.00	338.0	7436.00	-	-	22.00	338.0	7436.00	22.00	7436.00
24	supplying and fixing LED type Panedl board indicating lamp with required colour suitable for 220 v AC 50 HZ 12/24 DC as per the directions of the Engineer-in-charge of the work	Nos	22.00	495.0	10890.00	-	-	22.00	495.0	10890.00	22.00	10890.00
25	Supplying fully automatic Star delta starter unit push button type with suitable wires 3 Contractors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400 /440 volts 3 phase and wired after fixing to the wooden board for motor. Upto 12.5 HP as per the directions of the Engineer-in-charge of the work	Nos	22.00	7360.0	161920.00	-	-	22.00	7360.0	161920.00	22.00	161920.00

26	supplying and fixing single phase preventor using Necessary wires over an existing panel board suitable for motor up to 20 HP capacities as per the directions of the Engineer-in-charge of the work	Nos	22.00	859.0	18898.00	-	-	22.00	859.0	18898.00	22.00	18898.00
27	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade multistrand copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS 694:1990 & confirming to GTP of Group-A.4 5qmmas per the directions of the Engineer-in-	Nos	440.00	47.0	20680.00	-	-	440.00	47.0	20680.00	440.00	20680.00
28	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to IS 2834 phase, 400/440 volts grade, for power factor improvement of rotating machineras per the directions of the Engineer-in-charge of the work	Rmt	88.00	463.0	40744.00	-	-	88.00	463.0	40744.00	88.00	40744.00
29	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' typer curve, indicateor On/Off energy cross-3 with shord circuti breaking capacity of 10K and complete wiring as required confiming to IEC 60898, 40-63 AMpS TPN as per the directions of the Engineer-in-charge of the work	Nos	22.00	2165.0	47630.00	-	-	22.00	2165.0	47630.00	22.00	47630.00
30	Supplying and fixing wiring earth electrode for gounding condiuts. I.C cutouts and other equipements of the meter board using 40 mm dia 2.90 mm thick GI Pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150 mm all round the pipe to complete depth. the connection from the pipe to the conditu etc., is to be established throught GI wire of size as per ISI specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes o f122 mm dia as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC	Nos	22.00	3048.0	67056.00	-	-	22.00	3048.0	67056.00	22.00	67056.00
31	supplying and fixing class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm as per the directions of the Engineer-in-charge of the work	Nos	88.00	385.0	33880.00	-	-	88.00	385.0	33880.00	88.00	33880.00

32	supplying of 1.1 KV Ltug cable having aluminium conductor PvC insulated extruded inner sheathed, galvanized, steel strip (except 2C X105q.mm wire armoured) confirming to IS-3975 :1990 (No.of strip indicated in GTP) * extruded PVC outer sheathed armored cable with specified IS-1554 Part1:1988 & confirming to GTP of Group-A.4 core 16sqmm as per the directions of the Engineer-in-charge of the work	Nos	567.60	156.0	88545.60	-	-	567.00	156.0	88452.00	567.00	88452.00
33	Labour charges for laying of 1.1 KV Class UG cable in existing trech GI Pipe stone ware pipe/on wall /on poles as required. In existing trech/duct.6sqmmto 16sqmm as per the directions of the Engineer-in-charge of the work	M	567.60	12.0	6811.20	-	-	567.00	12.0	6804.00	567.00	6804.00
34	Digging of trenches of 0.6X0.50 m wide refilling the trench to the required ground level and consolidating etc., complete-hard soil as per the directions of the Engineer-in-charge of the work	M	457.60	118.0	53996.80	-	-	457.00	118.0	53926.00	457.00	53926.00
35	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin insulating compound complete the terminals, clamps, bots nuts and washers etc., for 16 sqmm as per the directions of the Engineer-in-charge of the work	Nos	22.00	314.0	6908.00	-	-	22.00	314.0	6908.00	22.00	6908.00
36	Supplying and fixing of procelinfuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers, 63 Amps as per the directions of the Engineer-in-charge of the work	Nos	132.00	261.0	34452.00	-	-	132.00	261.0	34452.00	132.00	34452.00
37	Earth work excavation for foundation of buildings water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m and aboe in width, in hard soil not exceeding, 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. afer breaking of clods complete as per specificatiosn and as per the directions of the Engineer-in-charge of the work	cum	1820.70	335.0	609934.50	-	-	1820.70	335.0	609934.50	1820.70	609934.50
	Above 125%	cum	2522.45	335.0	845020.32	-	-	2522.19	335.0	844934.66	2522.19	844934.66
38	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 32mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications and as per the directions of the Engineer-in-charge of the work	M	7660.80	143.0	1095494.40	-	-	7660.00	143.0	1095380.00	7660.00	1095380.00

39	Refilling available erath around pipelines cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item as per the directions of the Engineer-in-charge of the work	cum	1092.43	90.0	98318.25	-	-	1092.43	90.0	98318.25	1092.43	98318.25
	Above 125%	cum	1933.12	90.0	173981.13	-	-	1932.99	90.0	173968.65	1932.99	173968.65
40	KSRB 4-1.3 ; Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum	658.80	5767.0	3799299.60	-	-	658.74	5767.0	3798962.23	658.74	3798962.23
41	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) as per the directions of the Engineer-in-charge of the	cum	658.80	6951.0	4579318.80	-	-	658.74	6951.0	4578912.17	658.74	4578912.17

42	Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. K5RRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification and as per the directions of the Engineer-in-charge of the work	Cum	728.28	112.0	81566.80	-	-	728.28	112.0	81566.80	728.28	81566.80
	Above 125%	cum	589.21	111.74	65838.10	-	-	589.21	111.74	65838.10	589.21	65838.10
	Total				**32386909.82**					**32375957.16**		**32375957.16**
	Bescom deposit charges	LS				-	-	12.00	8730.00	104760.00	12.00	104760.00
		LS				-	-	10.00	10341.00	103410.00	10.00	103410.00
	Grand total									**32584127.16**		**32584127.16**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Y.R. Dhruthesh

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst. Executive Engineer,